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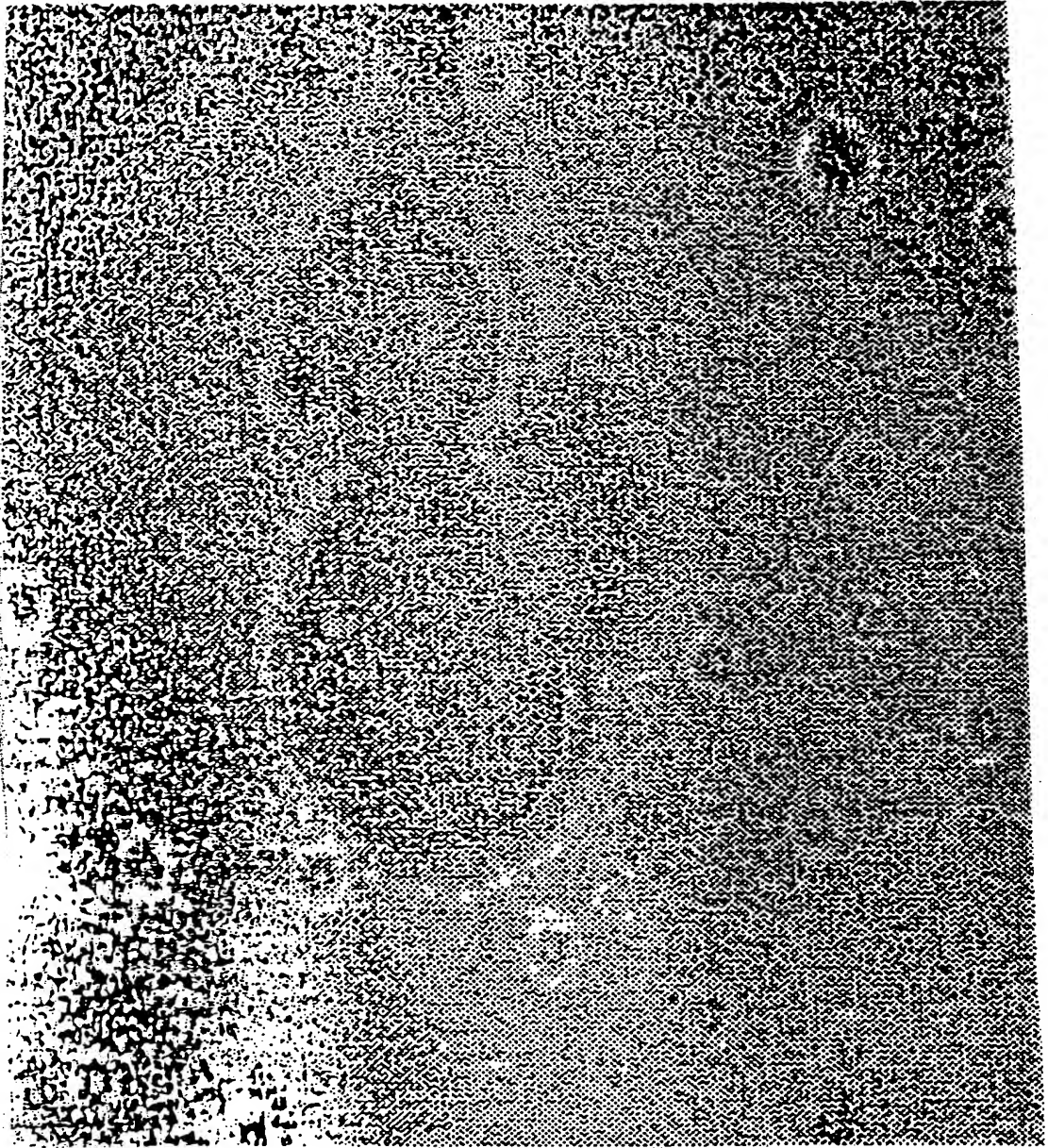
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FIGURE 1A



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**FIGURE 1B**

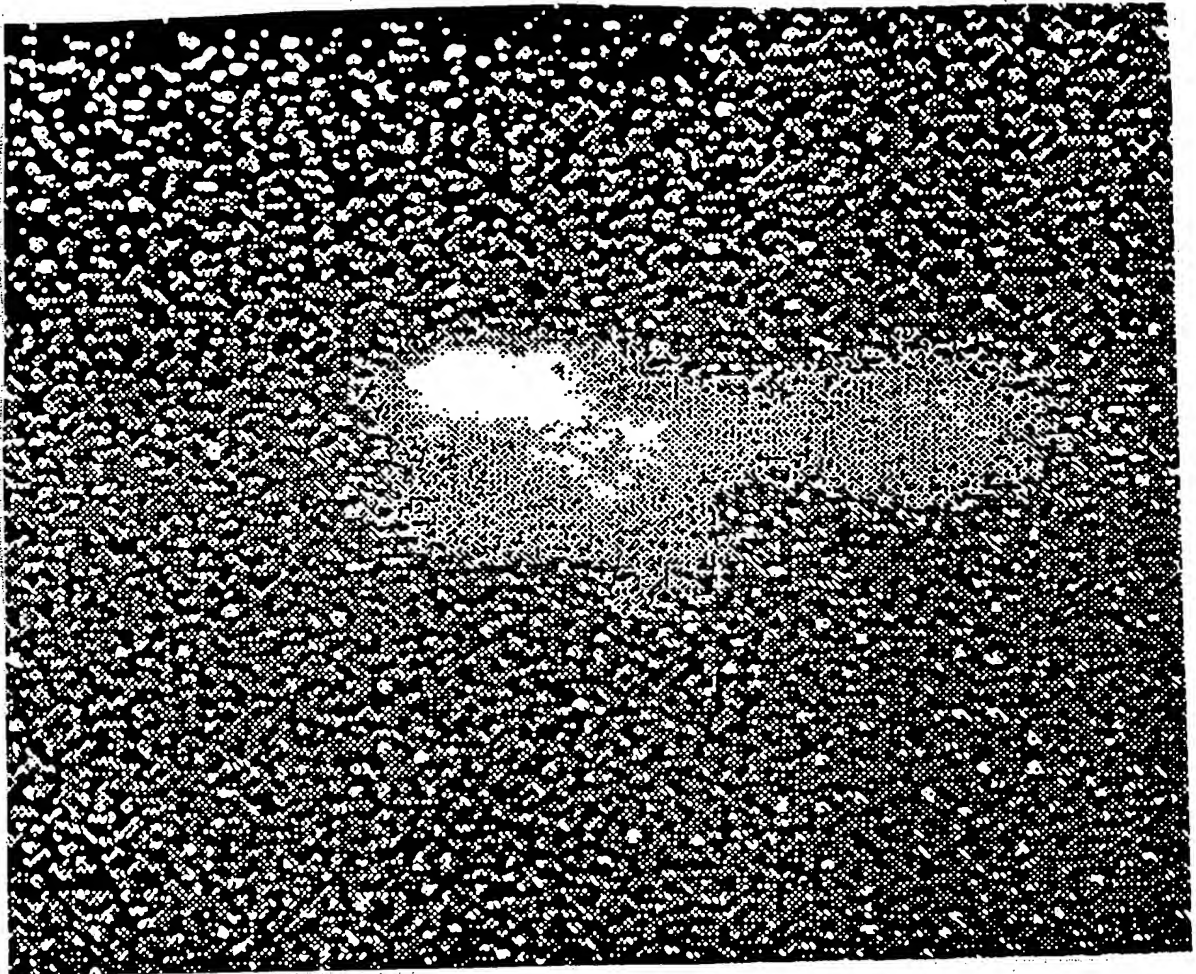


FIGURE 2A



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**FIGURE 2B**

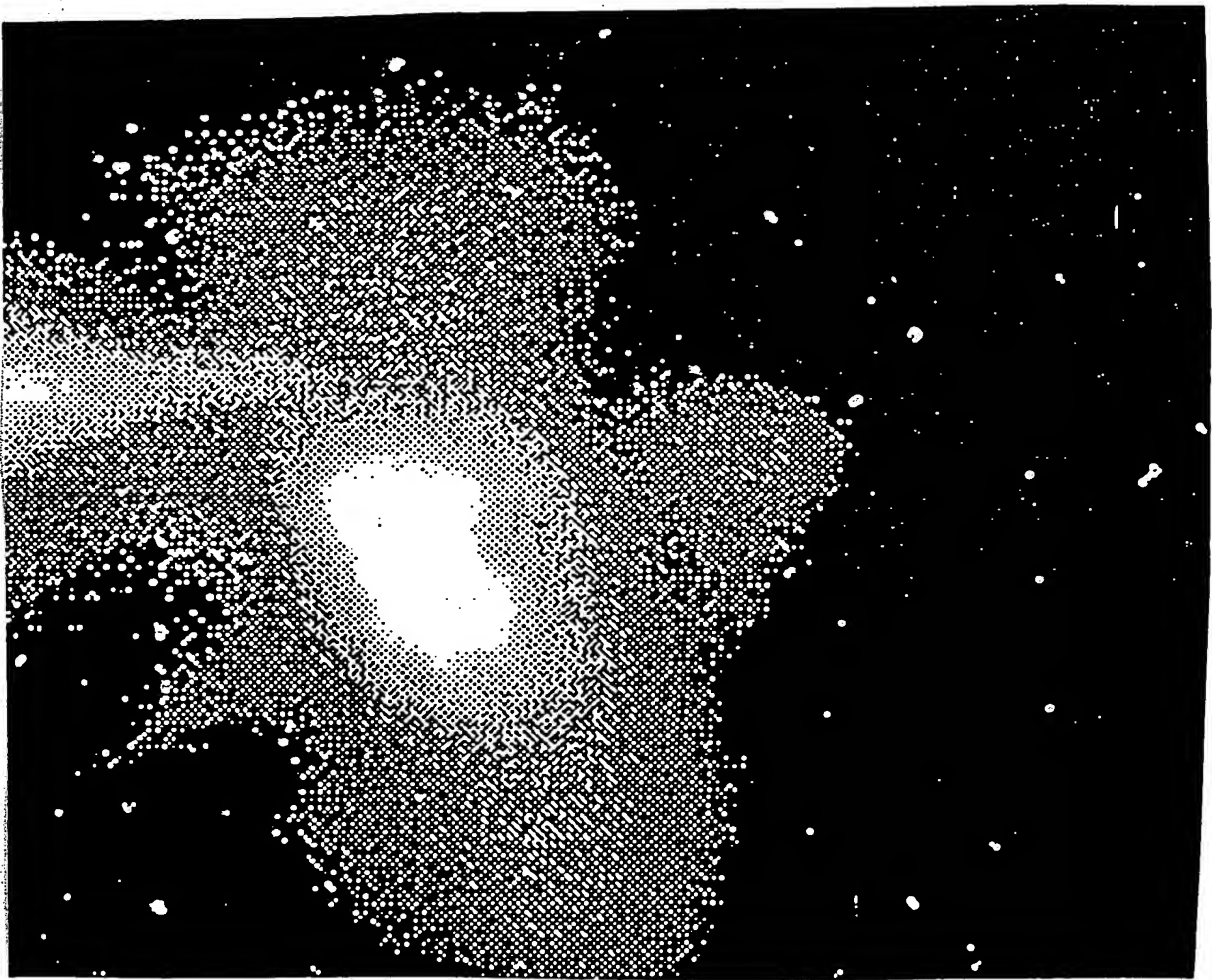


FIGURE 3A

Cardiomyocyte (ventricle)

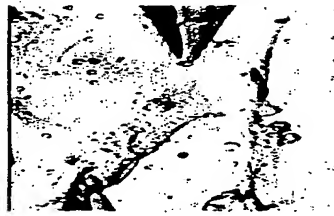


FIGURE 3B

Stem-Stem



3 min



12 min



Stem-canine cardiomyocyte (ventricle)



3 min



30 min

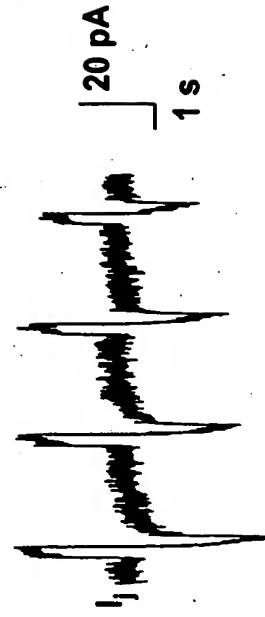
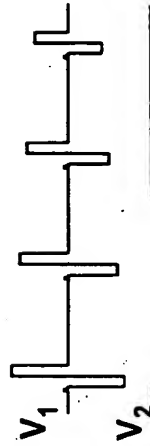


FIGURE 3C

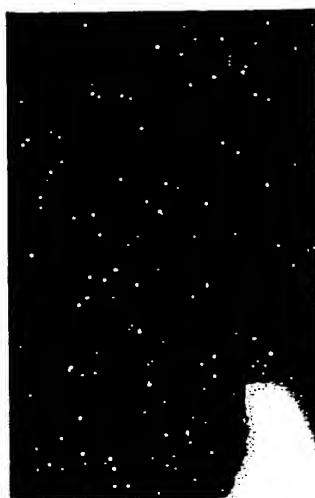
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FIGURE 4A

Stem- HeLaCx43



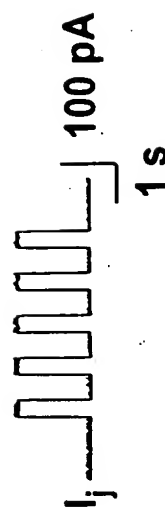
1 min



12 min

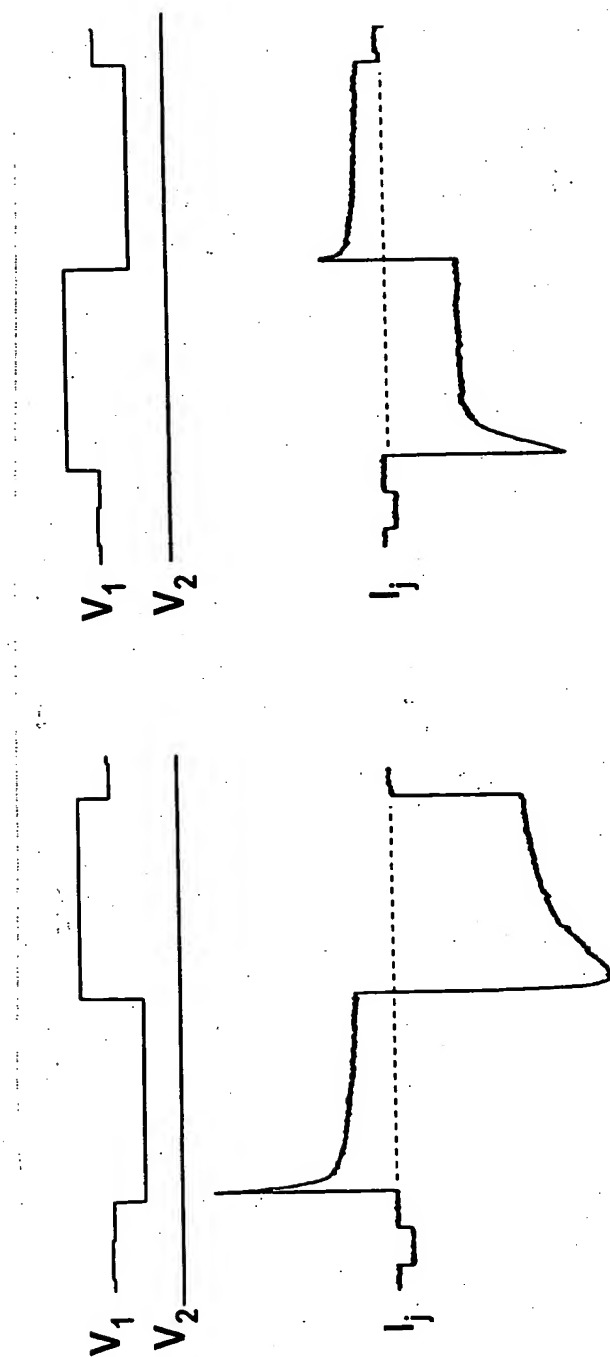


$g_j = 16 \text{ nS}$



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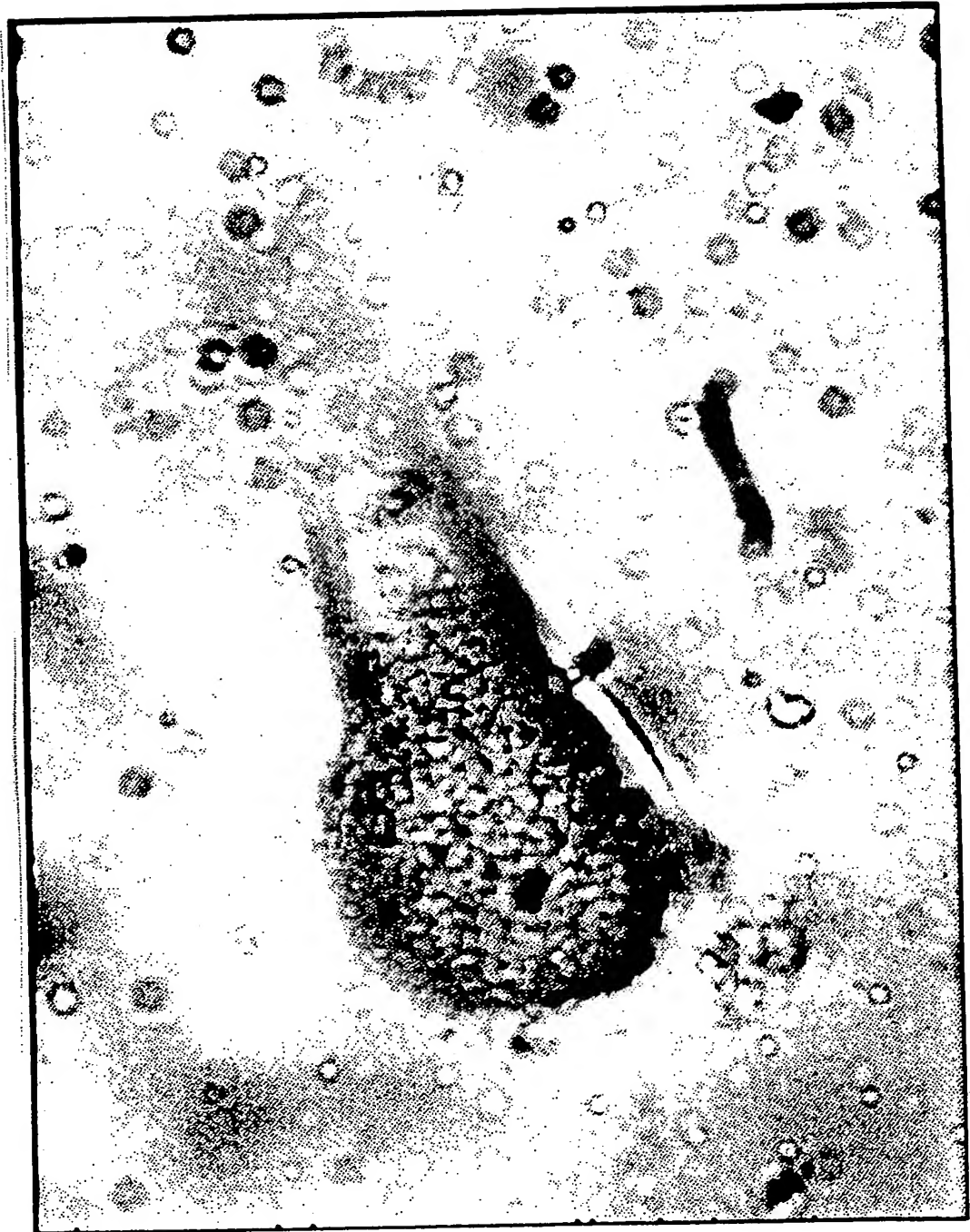
FIGURE 4B





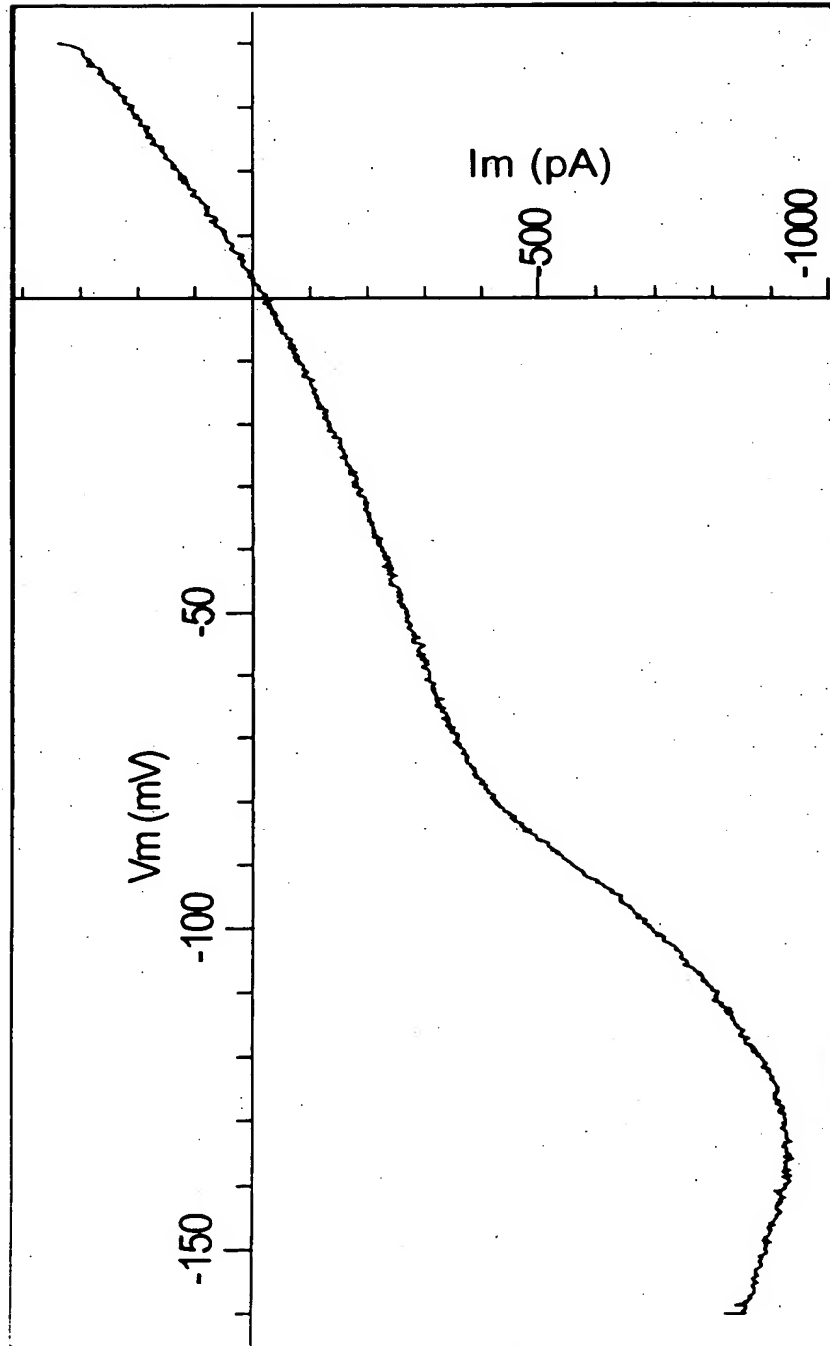
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FIGURE 5A



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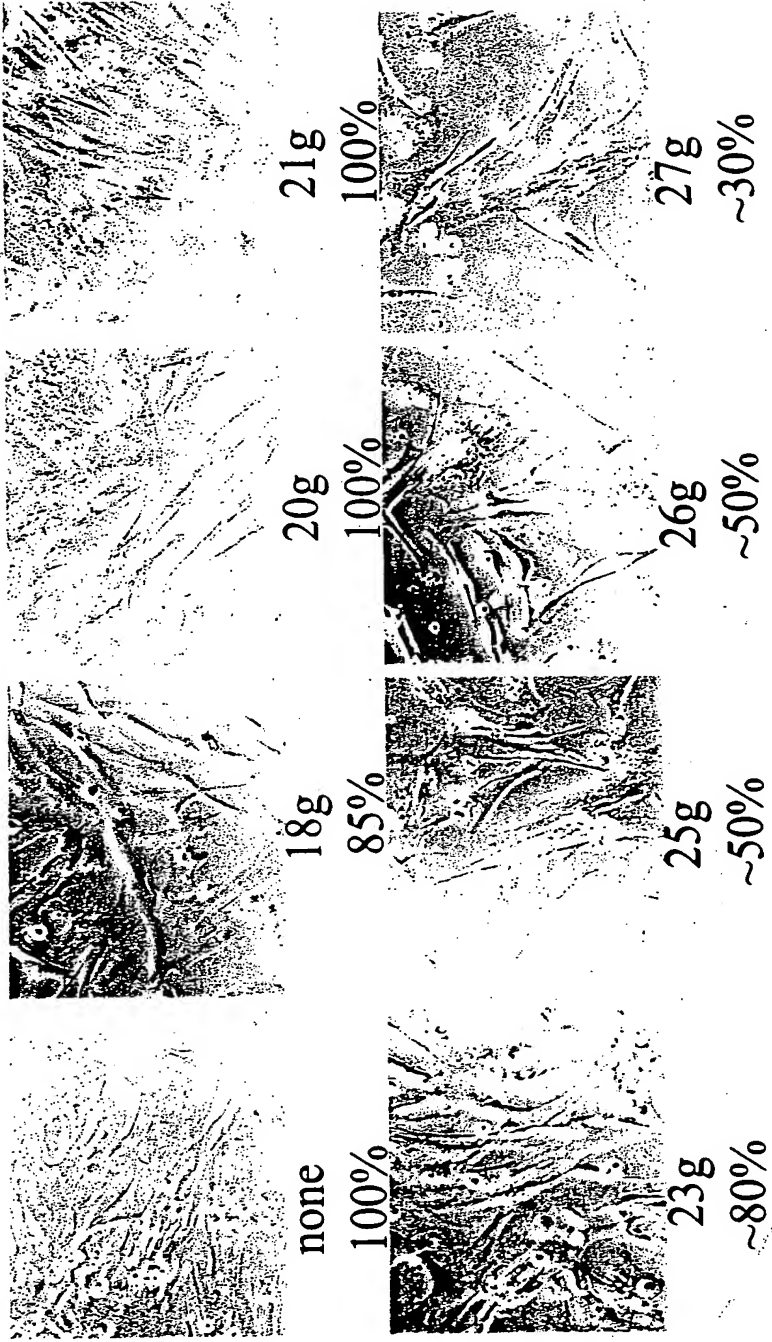
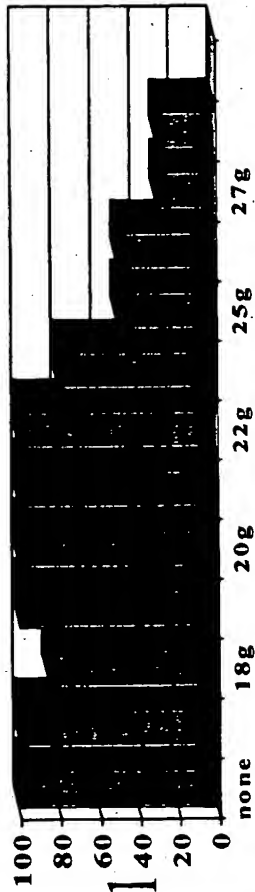
FIGURE 5B



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FIGURE 6

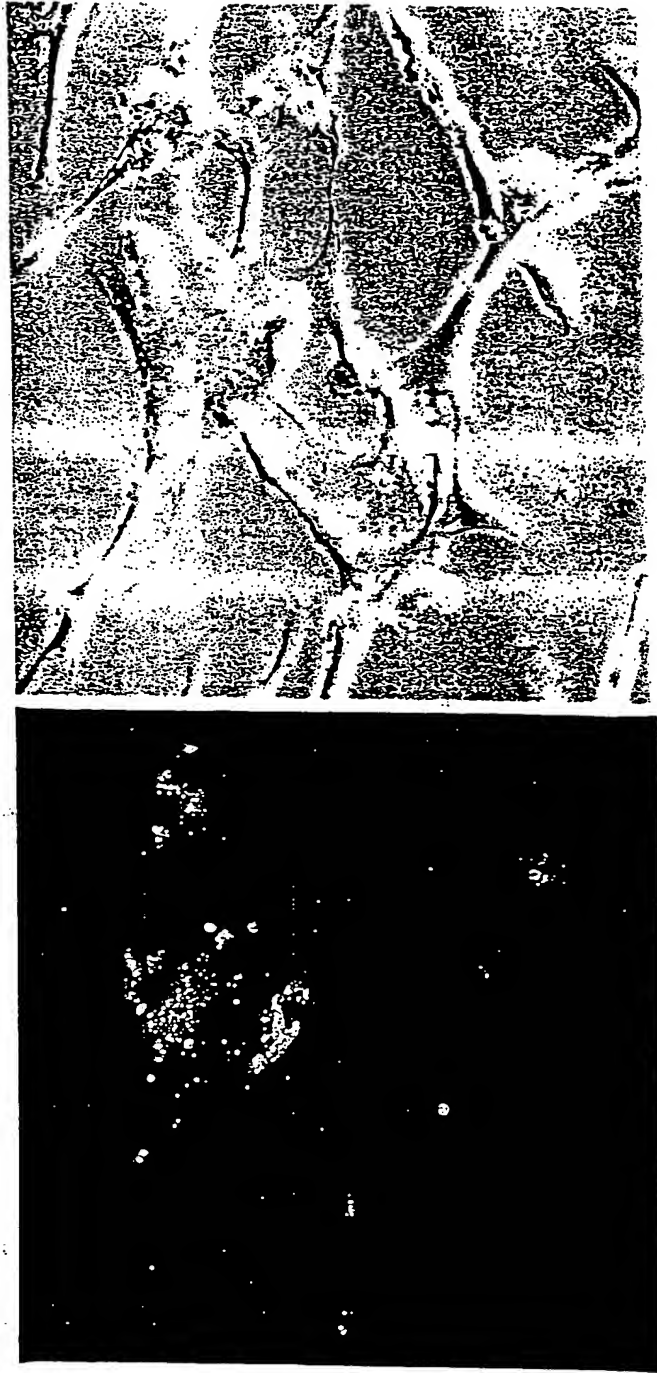
Needle survival



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**FIGURE 7**

HMSC cells transiently transfected with mH2-EGFP



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FIGURE 8A

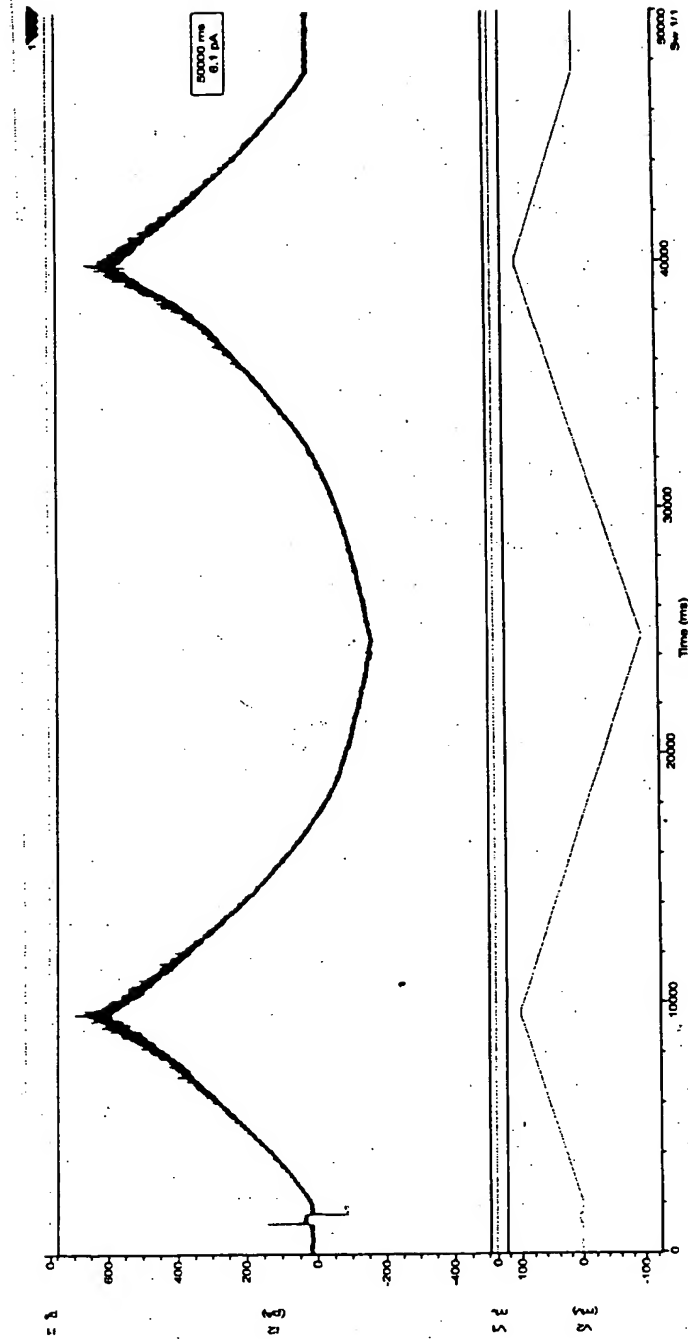
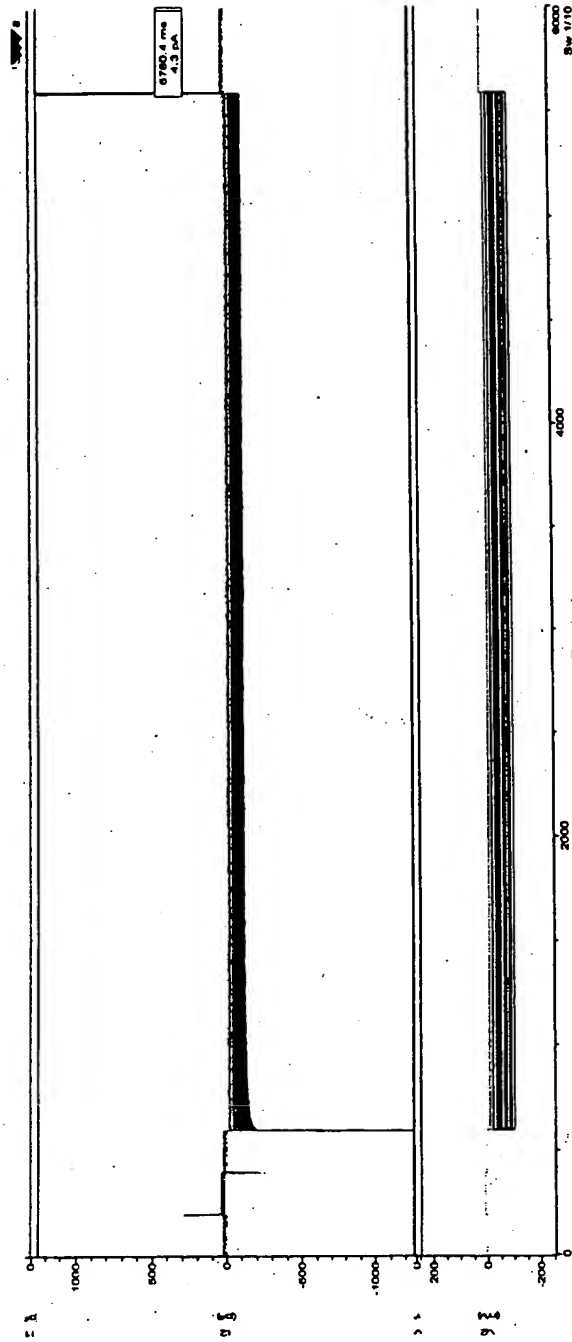
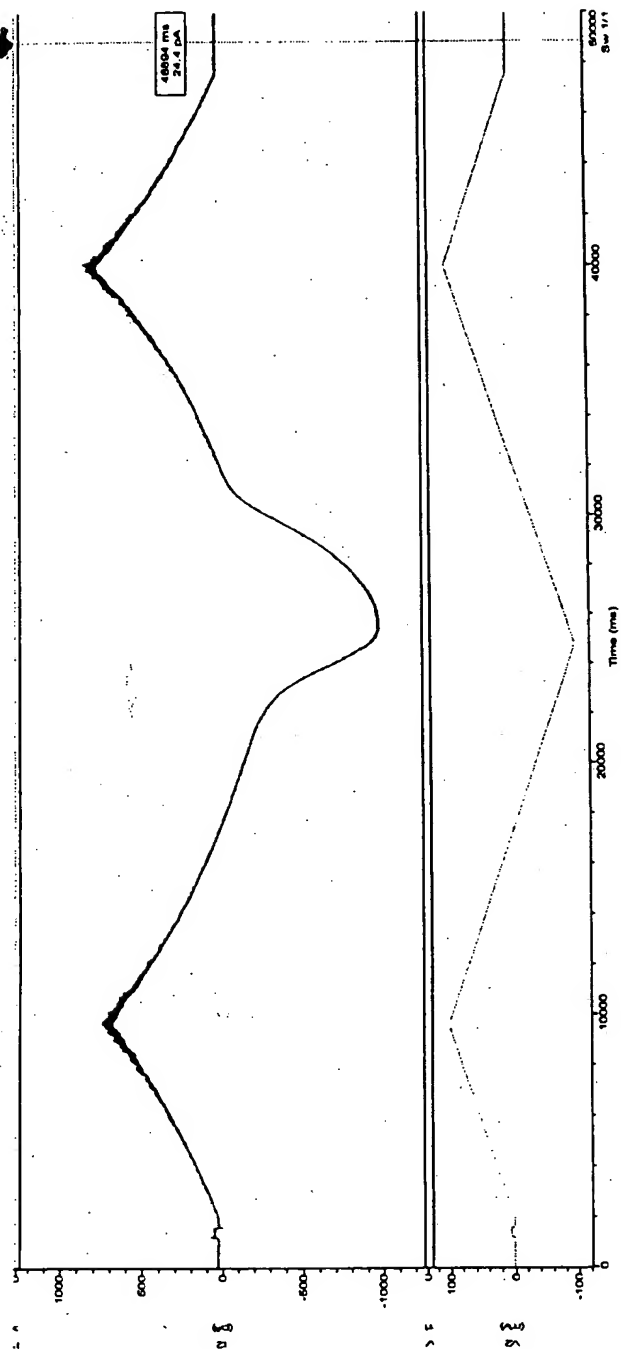


FIGURE 8B



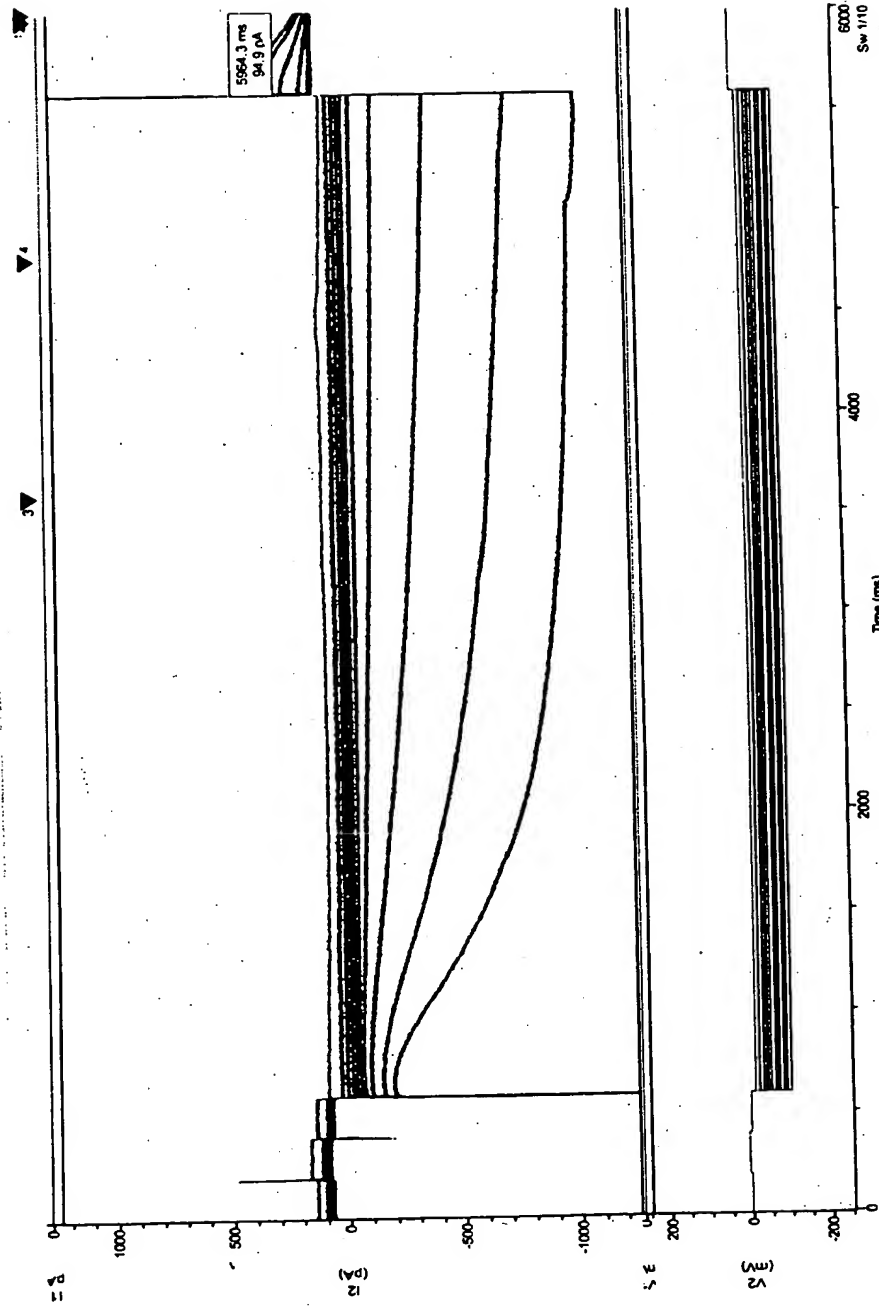
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FIGURE 9A



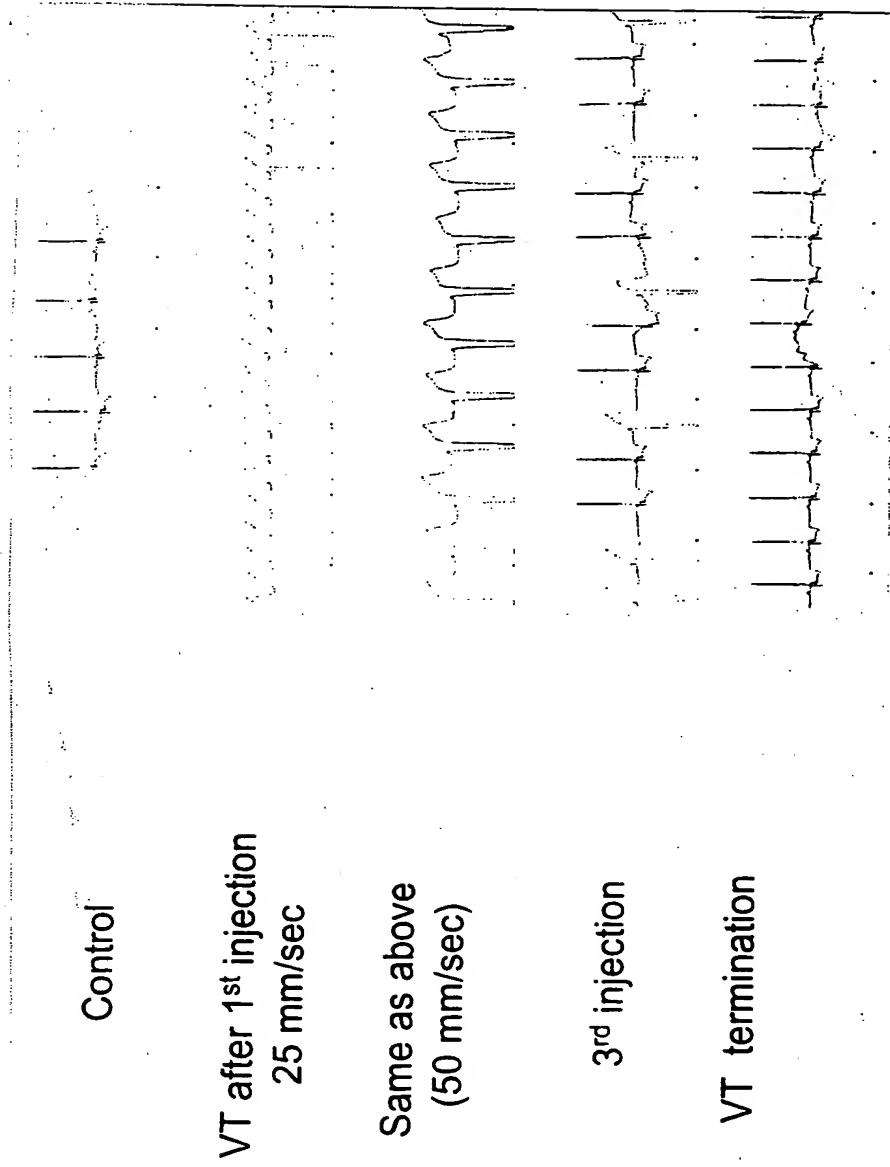
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FIGURE 9B





**FIGURE 10A**



**FIGURE 10B**

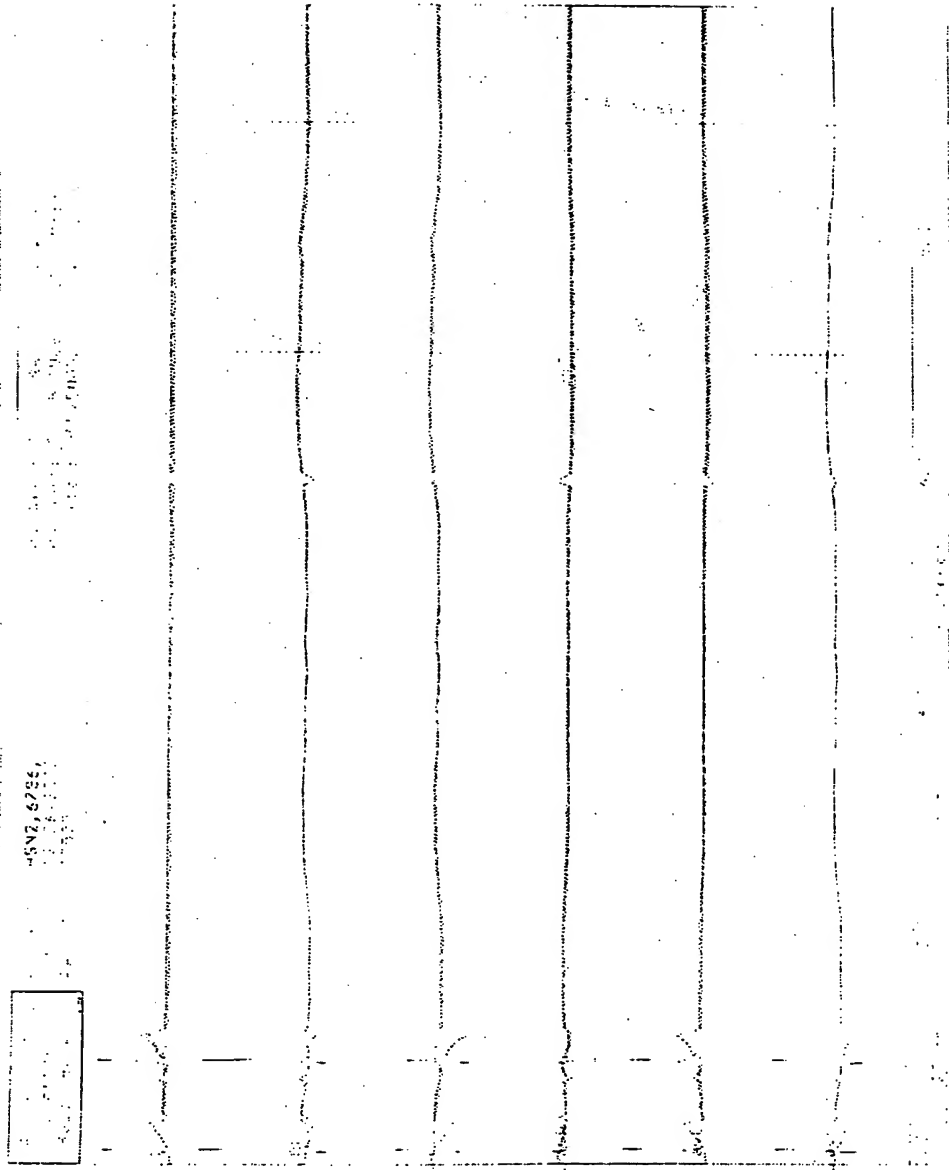
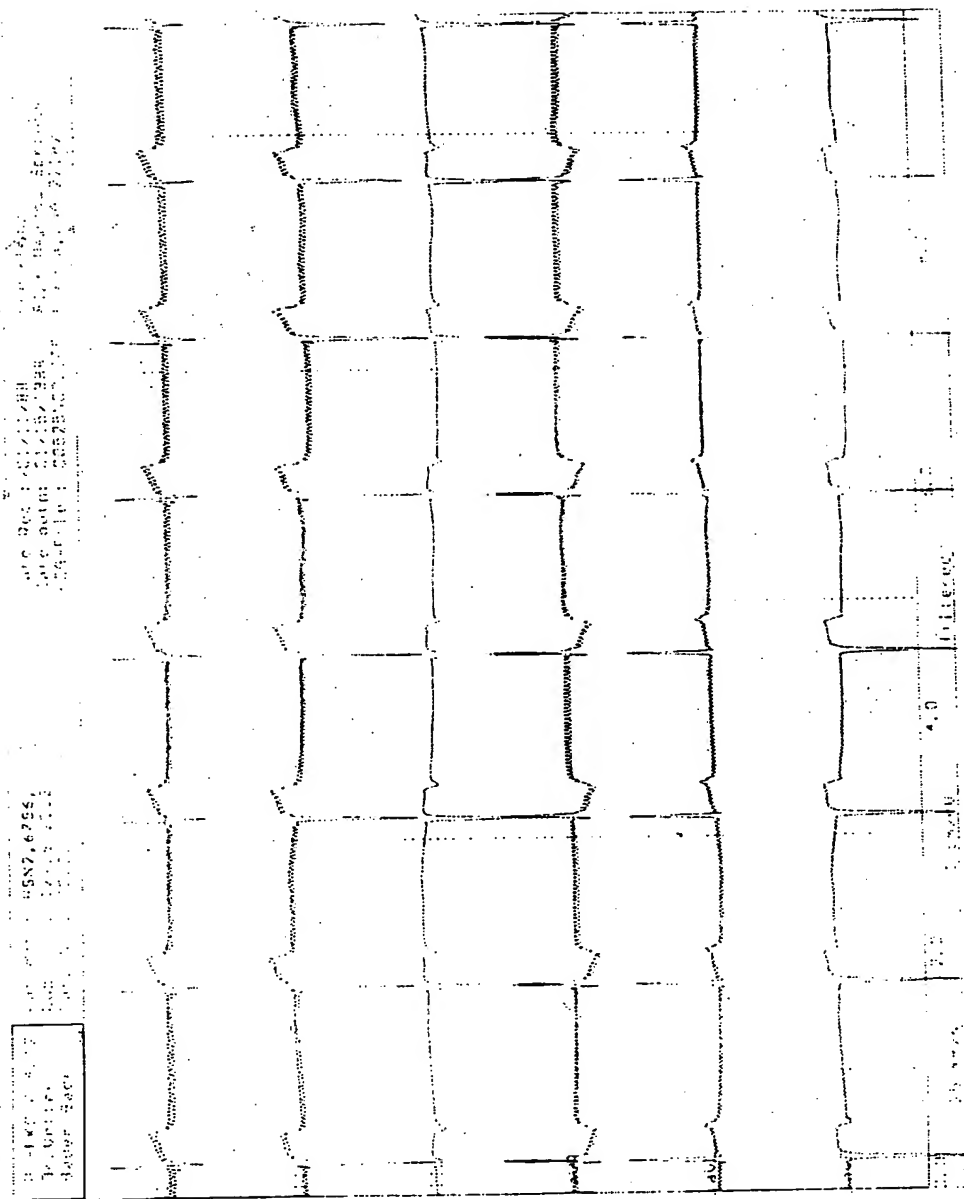
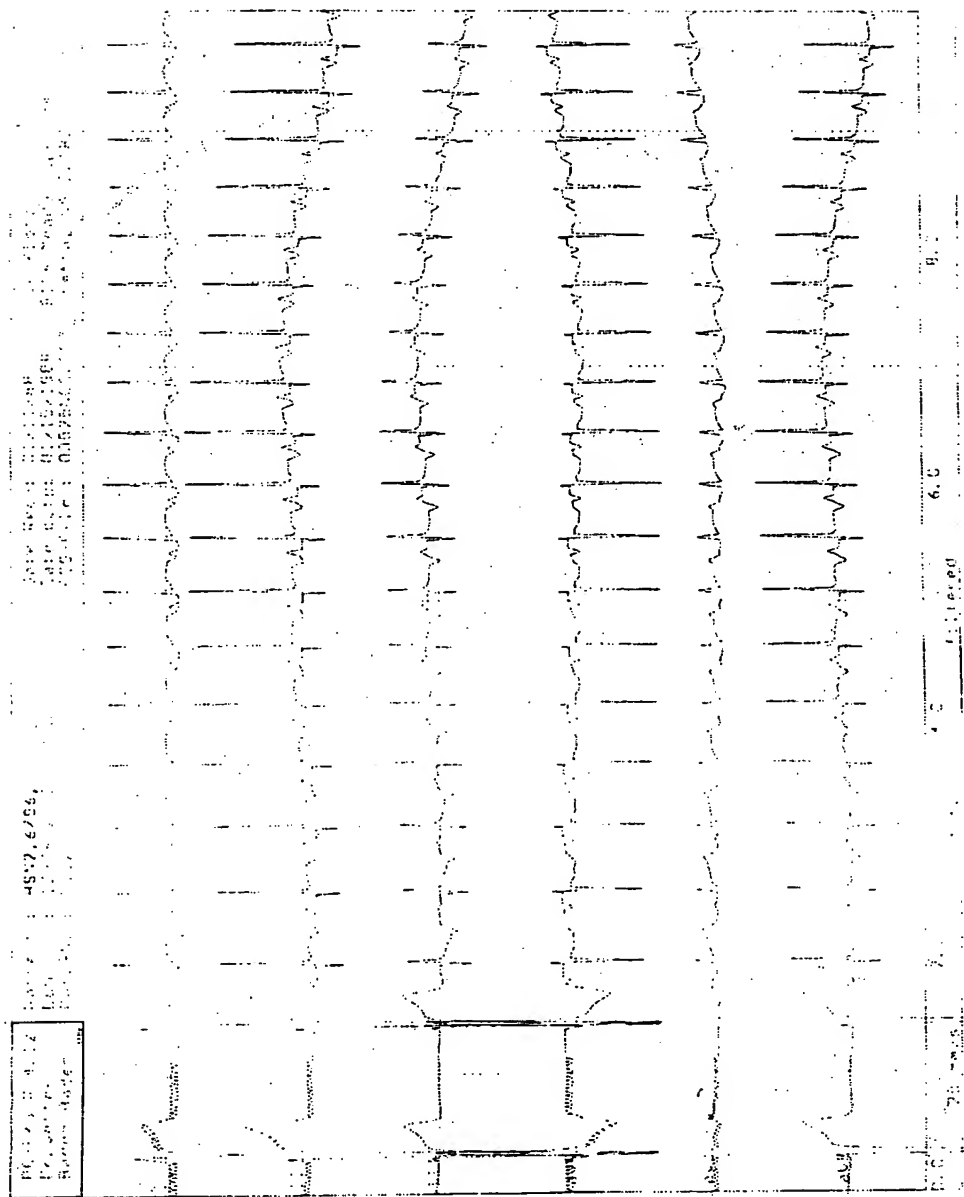


FIGURE 10C



**FIGURE 10D**



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**FIGURE 10E**

